

Interagency Data Management Plan

Las Conchas Fires
Los Alamos, New Mexico



Prepared by EPA's Emergency Response DATA Team

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Contents

1. CONCURRENCE.....	2
2. BACKGROUND.....	2
3. OBJECTIVES.....	2
4. COOPERATING AGENCIES.....	2
5. DATA EXCHANGE FORMAT.....	3
6. WORKFLOW.....	4

1. CONCURRENCE

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2. BACKGROUND

Wildfires threaten the Los Alamos National Laboratory and there are concerns that hazardous materials may be released into the environment. Several Agencies are collecting samples and monitoring the resultant smoke plume and there is a need for these Agencies to exchange data with one another and establish a complete dataset for the incident. This dataset will be used to inform both incident operations and inform the general public.

3. OBJECTIVES

The objectives of this Data Management Plan (DMP) are to establish a mechanism for Cooperating Agencies to exchange data and release information to the public.

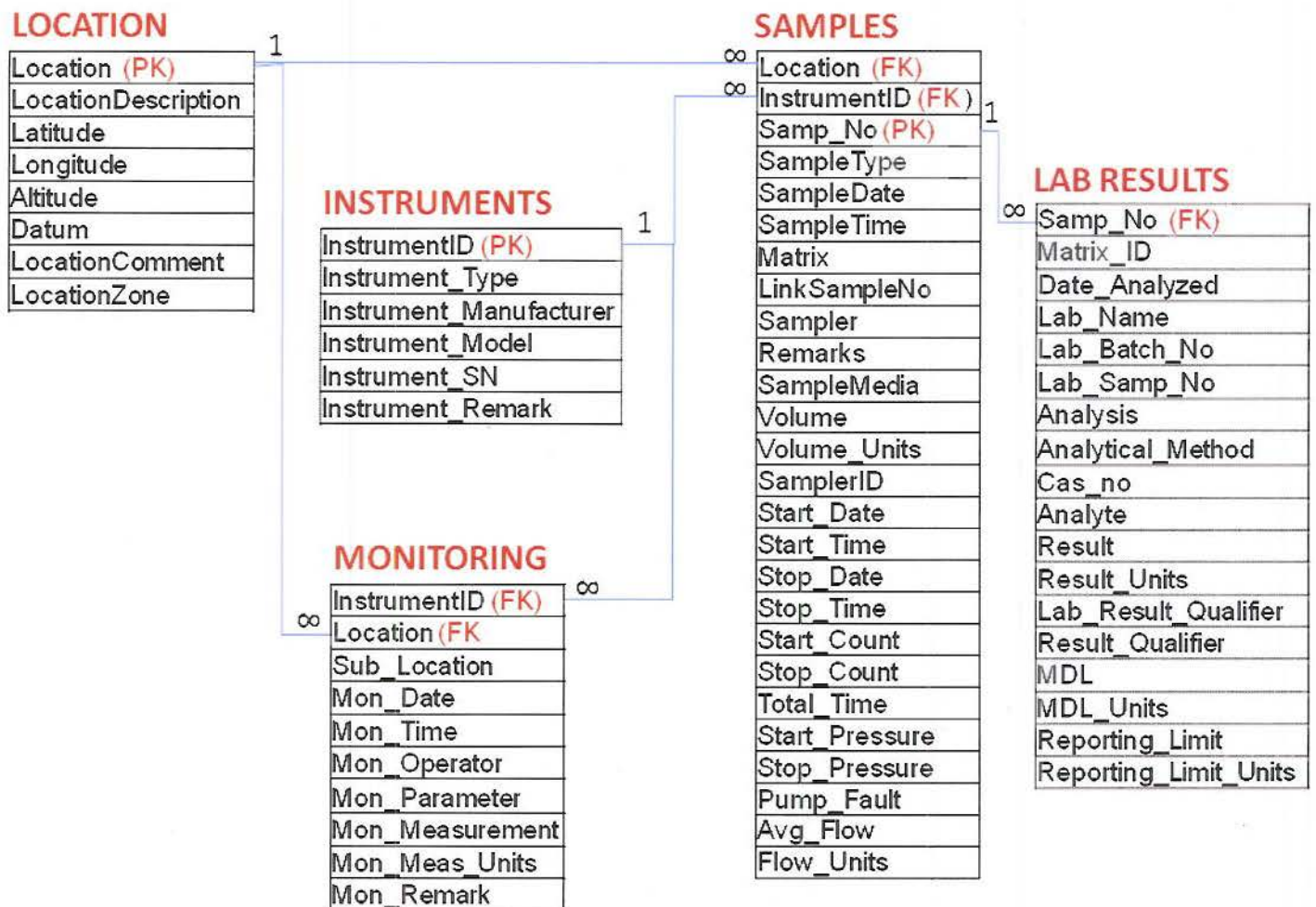
4. COOPERATING AGENCIES

Agency		Contact Name	Phone	Email
DOE	United States Department of Energy	George Rael	505.681.0307	grael@doeal.gov
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5. DATA EXCHANGE FORMAT

Each Agency will collect and manage its own data in accordance with its own established protocols and resources. However, each Agency will agree to report data to its partner Agencies in accordance with the specifications provided in Attachment A. These specifications document a series of data tables that are related to one another using foreign database keys. An Entity Relationship Diagram (ERD) for this relational database is provided in Figure 1.

Figure 1: Entity Relationship Diagram for the Data Exchange Format



6. WORKFLOW

Step 1: Collect Data

Responsible Party: Each Agency

Each Agency and / or their contracted resources collect one or more of the following types of tabular data in accordance with their own policies and procedures.

- Locations
- Instruments
- Sampling
- Monitoring
- Lab Results

Step 2: Generate Data Tables

Responsible Party: Each Agency

Each Agency and / or their contracted resources will generate data tables that meet the requirements of the Incident Data Exchange Format.

Step 3: Load Data Tables to Local Database

Responsible Party: Each Agency

Each Agency and / or their contracted resources will load Data Tables that that meet the requirements of the Incident Data Exchange Format into a local copy of EPA's Scribe Database.

Step 4: Audit Data in the Local Database

Responsible Party: Each Agency

Each Agency and / or their contracted resources will pass the data that they have loaded to their local Scribe database through an automated Data Auditing Tool that verifies the requirements of the Incident Data Exchange Format (the SQL statements that will be used to verify data in the auditor are provided in Attachment B). Each Agency and/or support contractor will fix data that does not meet the requirements of the Incident Data Exchange Format in the raw data tables that were loaded to local Scribe database. These modified tables will then be reloaded to update the data.

Step 5: Publish Data

Responsible Party: Each Agency

Each Agency and / or their contracted resources will publish data that passes verification to EPA's Scribe.net system.

Step 6: Serve Data to Stakeholders for Review

Responsible Party: EPA

EPA will provide data Subscriptions from its Scribe.net server to all cooperating agencies. These agencies will be able to view their partners' data in the same Format that they provided for a period of 24hrs.

Step 7: Generate Incident Database and Serve Data to the Public

Responsible Party: EPA

After the 24hr review period, EPA will combine all datasets that are published to Scribe.net into a single SQL Server Database on EPA's Orator Server and provide a GIS web service to the State of New Mexico for public distribution.